

Chapter 75

REFERENCES

1. American Burn Association: Burn incidence and treatment in the US: 2007 fact sheet. http://www.ameriburn.org/resources_factsheet.php. Accessed July 9, 2010.
2. Sheridan R. Burns. *Crit Care Med*. 2002;30(Suppl):S500-S514.
3. Demling RH. Fluid replacement in burned patients. *Surg Clin North Am*. 1987;67:15-30.
4. Demling RH, Will JA, Belzer FO. Effect of major thermal injury on the pulmonary microcirculation. *Surgery*. 1978;83:746-751.
5. Baxter CR, Cook WA, Shires GT. Serum myocardial depressant factor of burn shock. *Surg Forum*. 1966;17:1-2.
6. Hilton JG, Marullo DS. Effects of thermal trauma on cardiac force of contraction. *Burns Incl Therm Inj*. 1986;12:167-171.
7. Monafó W. Initial management of burns. *N Engl J Med*. 1996;335:1581-1586.
8. Demling R. The burn edema process: current concepts. *J Burn Care Rehabil*. 2005;26:207-227.
9. Latenser BA. Critical care of the burn patient: the first 48 hours. *Crit Care Med*. 2009;37:2819-2826.
10. Giroir BP, Horton JW, White DJ, McIntyre KL, Lin CQ. Inhibition of tumor necrosis factor prevents myocardial dysfunction during burn shock. *Am J Physiol*. 1994;267:H118-H124.
11. Maass DL, White J, Horton J. IL-1 beta and IL-6 act synergistically with TNF-alpha to alter cardiac contractile function after burn trauma. *Shock*. 2002;18:360-366.
12. Horton JW, White J, Baxter CR. The role of oxygen-derived free radicals in burn-induced myocardial contractile depression. *J Burn Care Rehabil*. 1988;9:589-598.
13. Horton JW. Left ventricular contractile dysfunction as a complication of thermal injury. *Shock*. 2004;22:495-507.
14. Kaufman TM, Horton JW. Burn-induced alterations in cardiac beta-adrenergic receptors. *Am J Physiol*. 1992;262:H1585-H1591.
15. Wang C, Martyn JA. Burn Injury alters beta-adrenergic receptor and second messenger function in rat ventricular muscle. *Crit Care Med*. 1996;24:118-124.
16. Crum RL, Dominie W, Hansbrough JF. Cardiovascular and neurohumoral responses following burn injury. *Arch Surg*. 1990;125:1065-1070.
17. Chrysopoulou MT, Jeschke MG, Dziewulski P, Barrow RE, Herndon DN. Acute renal dysfunction in severely burned patients. *J Trauma*. 1999;46:141-144.
18. Holm C, Horbrand F, von Donnersmarck GH, Muhlbauer W. Acute renal failure in severely burned patients. *Burns*. 1999;25(2):171-178.
19. Magnotti LJ, Deitch EA. Burns, bacterial translocation, gut barrier function, and failure. *J Burn Care Rehabil*. 2005;26:383-391.
20. Tokyay R, Zeigler ST, Traber DL, et al. Postburn gastrointestinal vasoconstriction increases bacterial and endotoxin translocation. *J Am Physiol*. 1993;152:1-1527.
21. Demling RH, Wong C, Jin LJ, Hechtman H, Lalonde C, West K. Early lung dysfunction after major burns: role of edema and vasoactive mediators. *J Trauma*. 1985;25:959-966.
22. American Burn Association. *Advanced Burn Life Support Manual*. Chicago, IL: American Burn Association; 2001.
23. Rosenkranz K, Sheridan R. Management of the burned trauma patient: balancing conflicting priorities. *Burns*. 2002;28:665-669.
24. Navar PD, Saffle JR, Warden GD. Effect of inhalation injury on fluid resuscitation requirements after thermal injury. *Am J Surg*. 1985;150:716-720.
25. Rehberg S, Maybauer MO, Enkhbaatar P, Maybauer DM, Yamamoto Y, Traber DL. Pathophysiology, management and treatment of smoke inhalation injury. *Expert Rev Respir Med*. 2009;3:283-297.
26. Hunt JL, Agee RN, Pruitt BA. Fiberoptic bronchoscopy in acute inhalational injury. *J Trauma*. 1975;15:641-649.
27. McCall J, Cahill T. Respiratory care of the burn patient. *J Burn Care Rehabil*. 2005;26:200-206.
28. Rodkey FL, O'Neal JD, Collison HA, Uddin DE. Relative affinity of hemoglobin S and hemoglobin A for carbon monoxide and oxygen. *Clin Chem*. 1974;20:83-84.
29. Hardy KR, Thom SR. Pathophysiology and treatment of carbon monoxide poisoning. *J Toxicol Clin Toxicol*. 1994;32:613-629.
30. Tritapepe L, Macchiarelli G, Rocco M, et al. Functional and ultrastructural evidence of myocardial stunning after acute carbon monoxide poisoning. *Crit Care Med*. 1998;26:797-801.
31. Ernst A, Zibrak JD. Carbon monoxide poisoning. *N Engl J Med*. 1998;339:1603-1608.
32. Pace N, Strajman E, Walker EL. Acceleration of carbon monoxide elimination in man by high pressure oxygen. *Science*. 1950;111:652-654.
33. Thom SR, Taber RL, Mendiguren II, Clark JM, Hardy KR, Fisher AB. Delayed neuropsychologic sequelae after carbon monoxide poisoning: prevention by treatment with hyperbaric oxygen. *Ann Emerg Med*. 1995;25:474-480.
34. Tibbles PM, Perotta PL. Treatment of carbon monoxide poisoning: a critical review of human outcome studies comparing

- normobaric oxygen with hyperbaric oxygen. *Ann Emerg Med.* 1994;24:269-276.
35. Vegfors M, Lennmarken C. Carboxyhemoglobinaemia and pulse oximetry. *Br J Anaesth.* 1991;66:625-626.
 36. Winter PM, Miller JN. Carbon monoxide poisoning. *JAMA.* 1976;236:1502.
 37. Weiss SM, Lakshminarayan S. Acute inhalation injury. *Clin Chest Med.* 1994;15:103-116.
 38. Ellenhorn MJ, Schonwald S, Ordog G, Wasserberger J, eds. *Ellenhorn's Medical Toxicology: Diagnosis and Treatment of Human Poisoning.* 2nd ed. Baltimore, MD: Williams & Wilkins; 1997.
 39. Baud FJ, Barriot P, Toffis V, et al. Elevated blood cyanide concentrations in victims of smoke inhalation. *N Engl J Med.* 1991;325:1761-1766.
 40. Baskin SI, Horowitz AM, Nealley EW. The antidotal action of sodium nitrite and sodium thiosulfate against cyanide poisoning. *J Clin Pharmacol.* 1992;32:368-375.
 41. Moore SJ, Norris JC, Walsh DA, Hume AS. Antidotal use of methemoglobin forming cyanide antagonists in concurrent carbon monoxide/cyanide intoxication. *J Pharmacol Exp Ther.* 1987;242:70-73.
 42. Herndon DN, Thompson PB, Traber DL. Pulmonary injury in burned patients. *Crit Care Clin.* 1985;1:79-96.
 43. Pruitt BA, Erikson DR, Morris A. Progressive pulmonary insufficiency and other pulmonary complications of thermal injury. *J Trauma.* 1975;15:369-379.
 44. Rue LW III, Cioffi WG Jr, Mason AD Jr, et al. Improved survival of burned patients with inhalation injury. *Arch Surg.* 1993;128:772-778.
 45. Lykens MG, Haponik EF. Direct and indirect lung injuries in patients with burns. *Crit Care Rep.* 1990;2:101-114.
 46. Zak AL, Harrington DT, Barillo DJ, et al. Acute respiratory failure that complicated the resuscitation of pediatric patients with scald injuries. *J Burn Care Rehabil.* 1999;20:391-399.
 47. Toon MH, Maybauer MO, Greenwood JE, Maybauer DM, Fraser JF. Management of acute smoke inhalation injury. *Crit Care Resusc.* 2010;12:53-61.
 48. Underhill FP. The significance of anhydremia in extensive superficial burns. *JAMA.* 1930;95:852-857.
 49. Alvarado R, Chung KK, Cancio LC, Wolf SE. Burn resuscitation. *Burns.* 2009;35(1):4-14.
 50. Oda J, Yamashita K, Inoue T, et al. Resuscitation fluid volume and abdominal compartment syndrome in patients with major burns. *Burns.* 2006; 32:151-154.
 51. Pruitt BA. Does hypertonic burn resuscitation make a difference? *Crit Care Med.* 2005;28:277-278.
 52. Huang PP, Stucky FS, Dimick AR, Treat RC, Bessey PQ, Rue LW. Hypertonic sodium resuscitation is associated with renal failure and death. *Ann Surg.* 1995;221:543-554.
 53. Warden GD. Burn shock resuscitation. *World J Surg.* 1992;16:16-23.
 54. Holm C, Melcer B, Horbrand F, von Donnersmark GH, Muhlbauer W. The relationship between oxygen delivery and oxygen consumption during fluid resuscitation in burn related shock. *J Burn Care Rehabil.* 2000;21:147-154.
 55. Schiller WR, Bay RC, Garren RL, Parker I, Sagraves SG. Hyperdynamic resuscitation improves survival in patients with life threatening burns. *J Burn Care Rehabil.* 1997;18:10-16.
 56. Bernard F, Gueugniard PY, Bertin-Maghit M, Bouchard C, Vilasco B, Petit P. Prognostic significance of early cardiac index measurements in severely burned patients. *Burns.* 1994;20: 529-531.
 57. Schiller WR, Bay RC, Garren RL, Parker I, Sagraves SG. Hyperdynamic resuscitation improves survival in patients with life threatening burns. *J Burn Care Rehabil.* 1997;18:10-16.
 58. Hayes MA, Timmins AC, Yau EH, Palazzo M, Hinds CJ, Watson D. Elevation of systemic oxygen delivery in the treatment of critically ill patients. *N Engl J Med.* 1994;330: 1717-1722.
 59. Jeng JC, Jablonski K, Bridgeman A, Jordan MH. Serum lactate, not base deficit, rapidly predicts survival after major burns. *Burns.* 2002;28:161-166.
 60. Kamolz LP, Andel H, Schramm W, Meissl G, Herndon DN, Frey M. Lactate: early predictor of morbidity and mortality in patients with severe burns. *Burns.* 2005;31:986-990.
 61. Holm C, Melcer B, Horbrand F, Worl HH, von Donnersmark GH, Muhlbauer W. Haemodynamic and oxygen transport responses in survivors and nonsurvivors following thermal injury. *Burns.* 2000;26:25-33.
 62. Kaups KL, Davis JW, Dominic WJ. Base deficit as an indicator of resuscitation needs in patients with burn injuries. *J Burn Care Rehabil.* 1998;19:346-348.
 63. Miller PR, Kincais EH, Meredith JW, Chang MC. Threshold values of intramucosal pH and mucosal-arterial CO₂ gap during shock resuscitation. *J Trauma.* 1998;45:868-872.
 64. Schiller WR, Bay RC, Garren RL, Parker I, Sagraves SG. Hyperdynamic resuscitation improves survival in patients with life threatening burns. *J Burn Care Rehabil.* 1997;18:10-16.
 65. Venkatesh B, Meacher R, Muller MJ, Morgan TJ, Fraser J. Monitoring tissue oxygenation during resuscitation of major burns. *J Trauma.* 2001;50:485-494.
 66. Cancio LC, Chavez S, Alvarado-Ortega M, et al. Predicting increased fluid requirements during the resuscitation of thermally injured patients. *J Trauma.* 2004;56:404-414.
 67. Kim K, Kwok I, Chang H, Han T. Comparison of cardiac outputs of major burn patients undergoing extensive escharectomy: esophageal Doppler monitor versus thermodilution cardiac output. *J Trauma.* 2004;57:1013-1017.
 68. Dubick MA, Williams C, Elgjo GI, Kramer GC. High-dose vitamin C infusion reduces fluid requirements in the resuscitation of burn injured sheep. *Shock.* 2005;24:139-144.
 69. Tanaka H, Matsuda T, Miyagantani Y, Yukioka T, Matsuda H, Shimazaki S. Reduction of resuscitation fluid volumes in severely burned patients using ascorbic acid administration: a randomized, prospective study. *Arch Surg.* 2000;135:326-331.
 70. Saffle JR. The phenomenon of "fluid creep" in acute burn resuscitation. *J Burn Care Res.* 2007;28:382-392.
 71. Klein MB, Hayden D, Elson C, et al. The association between fluid administration and outcome following major burn. *Ann Surg.* 2007;245:622-628.
 72. Lund CC, Browder NC. The estimation of areas of burns. *Surg Gynecol Obstet.* 1944;79:352-358.
 73. Sheridan RL, Petras L, Basha G, et al. Planimetry study of the percent body surface represented by the hand and palm: sizing irregular burns is more accurately done with the palm. *J Burn Care Rehabil.* 1995;16:605-606.
 74. Ryan CM, Schoenfeld DA, Thorpe WP, Sheridan RL, Cassem EH, Tompkins RG. Objective estimates of the probability of death from burn injuries. *N Engl J Med.* 1998;338:362-366.
 75. Sheridan R, Weber J, Prelack K, Petras L, Lydon M, Tompkins R. Early burn center transfer shortens length of hospitalization

- and reduces complications in children with serious burn injuries. *J Burn Care Rehabil.* 1999;20:347-350.
76. Mills DC, Roberts LW, Mason AD, McManus WF, Pruitt BA Jr. Suppurative chondritis: its incidence, prevention, and treatment in burn patients. *Plast Reconstr Surg.* 1988;82:267-276.
 77. Hobson KG, Young KM, Ciraulo A, Palmieri TL, Greenhalgh DG. Release of abdominal compartment syndrome improves survival in patients with burn injury. *J Trauma.* 2002;53:1129-1134.
 78. Ivy ME, Atweh NA, Palmer J, Possenti PP, Pineau M, D'Aiuto M. Intra-abdominal hypertension and abdominal compartment syndrome in burn patients. *J Trauma.* 2000;49:387-391.
 79. Sheridan R. Comprehensive treatment of burns. *Curr Probl Surg.* 2001;38:643-676.
 80. Durtschi MB, Orgain C, Counts GW, Heimbach DM. A prospective study of prophylactic penicillin in acutely burned hospitalized patients. *J Trauma.* 1982;22:11-14.
 81. Larkin JM, Moylan JA. Tetanus following a minor burn. *J Trauma.* 1975;15:546-548.
 82. American Academy of Pediatrics. Tetanus (lockjaw). In: Pickering LK, Baker CJ, Long SS, McMillan JA, eds. *Red Book: 2006 Report of the Committee on Infectious Disease.* 27th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2006.
 83. Sheridan RL, Ryan CM, Petras LM, et al. Burns in children younger than two years of age: an experience with 200 consecutive admissions. *Pediatrics.* 1997;100:721-723.
 84. Rossignol AM, Boyle CM, Locke JA, Burke JF. Hospitalized burn injuries in Massachusetts: an assessment of incidence and product involvement. *Am J Public Health.* 1986;76:1341-1343.
 85. Zak AL, Harrington DT, Barillo DJ, et al. Acute respiratory failure that complicated the resuscitation of pediatric patients with scald injuries. *J Burn Care Rehabil.* 1999;20:391-399.
 86. McManus WF, Hunt JL, Pruitt BA Jr. Postburn convulsive disorders in children. *J Trauma.* 1974;14:396-401.
 87. Ryan CM, Thorpe W, Mullin P, et al. A persistent fire hazard for older adults: cooking-related clothing ignition [letter]. *J Am Geriatr Soc.* 2000;45:1283-1285.
 88. Sheridan RL, Prelack K, Yin L. Energy needs are poorly predicted in critically ill elderly. *J Intensive Care Med.* 1997;12:45-49.
 89. Arnoldo BD, Purdue GF, Kowalske K, Helm PA, Burriss A, Hunt JL. Electrical injuries: a 20-year review. *J Burn Care Rehabil.* 2004;25:479-484.
 90. Lee RC, Capelli-Schellpfeffer M. Electrical and lightning injuries. In: Cameron JL, ed. *Current Surgical Therapy.* St. Louis, MO: Mosby; 1998:1021-1023.
 91. McBride JW, Labrosse KR, McCoy HG, Ahrenholz DH, Solem LD, Goldenberg IF. Is serum creatine kinase-MB in electrically injured patients predictive of myocardial injury? *JAMA.* 1986;255:764-768.
 92. Purdue GF, Hunt JL. Electrocardiographic monitoring after electrical injury: necessity or luxury? *J Trauma.* 1986;26:166-167.
 93. Baily B, Gaudreault P, Thivierge RL. Experience with guidelines for cardiac monitoring after electrical injury in children. *Am J Emerg Med.* 2000;18:671-675.
 94. Sanford AP, Herndon DN. Chemical burns. In: Herndon D, ed. *Total Burn Care.* London, UK: Harcourt; 2002:475-480.
 95. Centers for Disease Control and Prevention. Hypothermia related deaths—United States 2003-2004. *MMWR Morb Mortal Wkly Rep.* 2005;54:173-175.
 96. Britt LD, Dascombe WH, Rodriguez A. New horizons in the management of hypothermia and frostbite injury. *Surg Clin North Am.* 1991;71:345-370.
 97. Murphy JV, Branwell P, et al. Frostbite: pathogenesis and treatment. *J Trauma.* 2000;48(1):171-178.
 98. Becker DS. Toxic epidermal necrolysis. *Lancet.* 1998;351:1417-1420.
 99. Revuz J, Penson D, Roujeau JC, et al. Toxic epidermal necrolysis: clinical findings and prognostic factors in 87 patients. *Arch Dermatol.* 1987;123:1160-1166.
 100. Murphy JT, Purde GF, Hunt JL. Toxic epidermal necrolysis. *J Burn Care Rehabil.* 1997;18:417-420.
 101. McGee T, Munster A. Toxic epidermal necrolysis syndrome: mortality rate reduced with early referral to regional burn center. *Plast Reconstr Surg.* 1998;102:1018-1022.
 102. Sheridan RL, Weber JM, Schulz JT, Ryan CM, Low HM, Tompkins RG. Management of severe toxic epidermal necrolysis in children. *J Burn Care Rehabil.* 2000;20:497-500.
 103. Schulz JT, Sheridan RL, et al. A 10-year experience with toxic epidermal necrolysis. *J Burn Care Rehabil.* 2000;21:199-204.
 104. Kelemen JJ, Cioffi WG, Mason AD, Mazingo DW, McManus WF, Pruitt BA. Effect of ambient temperature on metabolic rate after thermal injury. *Ann Surg.* 1996;223:406-412.
 105. Hu OY, Ho ST, Wang JJ, Ho W, Wang HJ, Lin CY. Evaluation of gastric emptying in severe, burn-injured patients. *Crit Care Med.* 1993;21:527-531.
 106. McCall VE, Fischer CG, Schomaker E, Young VM. Laryngeal mask airway use in children with acute burns: intraoperative airway management. *Paediatr Anaesth.* 1999;9:515-520.
 107. Perrotta VJ, Stern JD, Lo AK, Mitra A. Arch bar stabilization of endotracheal tubes in children with facial burns. *J Burn Care Rehabil.* 1995;16:437-439.
 108. Gordon MD. Burn care protocols: anchoring endotracheal tubes on patients with facial burns. *J Burn Care Rehabil.* 1987;8:233-237.
 109. Khine H, Corddy D, Kettrick RG, et al. Comparison of cuffed and uncuffed endotracheal tubes in young children during general anesthesia. *Anesthesiology.* 1997;86:627-631.
 110. Deakers T, Reynolds G. Cuffed endotracheal tubes in pediatric intensive care. *J Pediatr.* 1994;125:57-62.
 111. Sheridan RL. Uncuffed endotracheal tubes should not be used in seriously burned children. *Pediatr Crit Care Med.* 2006;7:258-259.
 112. Eckhauser FE, Billote J, Burkner JF, Quinby WC. Tracheostomy complicating massive burn injury: a plea for conservatism. *Am J Surg.* 1974;127:418-423.
 113. Moylan JA, West JT, Nash G, Bowen JA, Pruitt BA. Tracheostomy in thermally injured patients: a review of 5 years' experience. *Am Surg.* 1972;38:119-123.
 114. Majeski JA, Macmillan BG. Tracheoinnominate artery erosion in a burned child. *J Trauma.* 1978;18:137-139.
 115. Jones WG, Madden M, Finkelstein J, Yurt RW, Goodwin CW. Tracheostomies in burn patients. *Ann Surg.* 1989;209:471-474.
 116. Saffle JR, Morris SE, Edelman L. Early tracheostomy does not improve outcome in burn patients. *J Burn Care Rehabil.* 2002;23:431-438.
 117. Coln CE, Purdue GF, Hunt JL. Tracheostomy in the young pediatric burn patient. *Arch Surg.* 1998;133:537-539.
 118. Barret JP, Desai MH, Herndon DN. Effects of tracheostomies on infection and airway complications in pediatric burn patients. *Burns.* 2000;26:190-193.

119. Palmieri TL, Jackson W, Greenhalgh DG. Benefits of early tracheostomy in severely burned children. *Crit Care Med*. 2002;30:922-924.
120. Clayton N, Kennedy P, Maitz P. The severe burns patient with tracheostomy: implications for management of dysphagia, dysphonia and laryngotracheal pathology. *Burns*. 2010;36:850-855.
121. Wait M, Hunt J, Purdue G. Duplex scanning of central vascular access sites in burn patients. *Ann Surg*. 1990;211:499-503.
122. The Acute Respiratory Distress Syndrome Network. Ventilation with lower tidal volumes as compared with traditional tidal volumes for acute lung injury and the acute respiratory distress syndrome. *N Engl J Med*. 2000;342:1301-1308.
123. Gajic O, Dara SI, Mendez JL, et al. Ventilator associated lung injury in patients without acute lung injury at the onset of mechanical ventilation. *Crit Care Med*. 2004;32:1817-1824.
124. Dries DJ. Key questions in ventilator management of the burn-injured patient (first of two parts). *J Burn Care Res*. 2009;30:128-138.
125. Sheridan RL, Kacmarek RM, McEttick MM, et al. Permissive hypercapnia as a ventilatory strategy in burned children: effect of barotraumas, pneumonia and mortality. *J Trauma*. 1995;39:854-859.
126. Sheridan RL, Prelack KM, Petras LM, Szyfelbein SK, Tomkins RG. Intraoperative reflectance oximetry in burn patients. *J Clin Monit*. 1995;11:32-34.
127. Michard F, Teboul JL. Predicting fluid responsiveness in ICU patients: a critical analysis of the evidence. *Chest*. 2002;121:2000-2008.
128. Kim K, Kwok I, Chang H, Han T. Comparison of cardiac outputs of major burn patients undergoing extensive escharectomy: esophageal Doppler monitor versus thermodilution cardiac output. *J Trauma*. 2004;57:1013-1017.
129. Wang GY, Ma B, Tang HT, et al. Esophageal echo-Doppler monitoring in burn shock resuscitation: are hemodynamic variables the critical standard guiding therapy? *J Trauma*. 2008;65:1396-1401.
130. Martyn JA, Abernethy DR, Greenblatt DJ. Plasma protein binding of drugs after severe burn injury. *Clin Pharmacol Ther*. 1984;35:535-539.
131. Han T, Harmatz JS, Greenblatt DJ, Martyn JA. Fentanyl clearance and volume of distribution are increased in patients with major burns. *J Clin Pharmacol*. 2004;47:674-680.
132. Jaehde U, Sorgel F. Clinical pharmacokinetics in patients with burns. *Clin Pharmacokinet*. 1995;29:15-28.
133. Bonate PL. Pathophysiology and pharmacokinetics following burn injury. *Clin Pharmacokinet*. 1990;18:118-130.
134. Martyn JA, Bishop AL, Oliveri MF. Pharmacokinetics and pharmacodynamics of ranitidine after burn injury. *Clin Pharmacol Ther*. 1992;51:408-414.
135. Martyn J, Greenblatt DJ. Lorazepam conjugation is unimpaired in burn trauma. *Clin Pharmacol Ther*. 1988;43:250-255.
136. Martyn JAJ, Fukushima Y, Chou J, Yang HS. Muscle relaxants in burns, trauma and critical illness. *Int Anesth Clin*. 2006;44:123-143.
137. Martyn J. Succinylcholine hyperkalemia after burns. *Anesthesiology*. 1999;91:321-322.
138. MacLennan N, Heimbach DM, Cullen BF. Anesthesia for major thermal injury. *Anesthesiology*. 1998;89:749-770.
139. Martyn JA, Matteo RS, Szyfelbein SK, Kaplan RF. Unprecedented resistance to neuromuscular blocking effects of metocurine with persistence after complete recovery in a burned patient. *Anesth Analg*. 1982;61:614-617.
140. Martyn J, Richtsfeld M. Succinylcholine-induced hyperkalemia in acquired pathologic states. *Anesthesiology*. 2006;104:158-169.
141. Han T, Kim H, Bae J, Kim K, Martyn JA. Neuromuscular pharmacodynamics of rocuronium in patients with major burns. *Anesth Analg*. 2004;99:386-392.
142. Martyn JA, Szyfelbein SK, Ali HA, Matteo RS, Savares JJ. Increased d-tubocurarine requirement following major thermal injury. *Anesthesiology*. 1980;52:352-355.
143. Wang C, Martyn JA. Burn injury alters beta-adrenergic receptor and second messenger function in rat ventricular muscle. *Crit Care Med*. 1996;24:118-124.
144. Maldini B. Ketamine anesthesia in children with acute burns and scalds. *Acta Anaesthesiol Scand*. 1996;40:1108-1111.
145. Martyn JA. Burn care protocols: administration of ketamine. Ketamine pharmacology and therapeutics. *J Burn Care Rehabil*. 1987;8:146-148.
146. Cuignet O, Pirson J, Boughrough J, Duville D. The efficacy of continuous fascia iliac compartment block for pain management in burn patients undergoing skin grafting procedures. *Anesth Analg*. 2004;98:1077-1081.
147. Kelemen JJ, Cioffi WG, Mason AD, Mazingo DW, McManus WF, Pruitt BA. Effect of ambient temperature on metabolic rate after thermal injury. *Ann Surg*. 1996;223:406-412.
148. Wilmore D, Aulick L. Metabolic changes in burned patients. *Surg Clin North Am*. 1978;58:1173-1187.
149. Pereira CT, Murphy KD, Herndon DN. Altering metabolism. *J Burn Care Rehabil*. 2005;26:194-199.
150. Hart DW, Wolf SE, Mlcak R, et al. Persistence of muscle catabolism after severe burn. *Surgery*. 2000;128:312-319.
151. Kinney JM, Long CL, Gump FE, Duke JH Jr. Tissue comparison of weight loss in surgical patients: I—elective operation. *Ann Surg*. 1968;168:459-474.
152. Herndon DN, Tomkins RG. Support of the metabolic response to burn injury. *Lancet*. 2004;363:1895-1902.
153. Hart DW, Wolf SE, Chinkes DL, et al. Determinants of skeletal muscle catabolism after severe burns. *Ann Surg*. 2000;232:455-465.
154. Zawacki BE, Spitzer KW, Mason AD, Johns LA. Does increased evaporative water loss cause hypermetabolism in burned patients? *Ann Surg*. 1970;171:236-240.
155. Hart DW, Wolf SE, Zhang XJ, et al. Efficacy of high-carbohydrate diet in catabolic illness. *Crit Care Med*. 2001;29:1318-1324.
156. Herndon DN, Barrow RE, Stein M, et al. Increased mortality with intravenous supplemental feeding in severely burned patients. *J Burn Care Rehabil*. 1989;10:309-313.
157. Jeejeebhoy KN. Total parenteral nutrition: potion or poison? *Am J Clin Nutr*. 2001;74:160-163.
158. Pereira C, Murphy K, Jeschke M, Herndon DN. Post burn muscle wasting and the effects of treatments. *Int J Biochem Cell Biol*. 2005;37:1948-1961.
159. Pereira, CT, Murphy KD, Herndon DN. Altering metabolism. *J Burn Care Rehabil*. 2005;26:194-199.
160. Jeschke MG, Kulp GA, Kraft R, et al. Intensive insulin therapy in severely burned pediatric patients: a prospective randomized trial. *Am J Respir Crit Care Med*. 2010;182(3):351-359.

161. Hemmila MR, Taddonio MA, Arbabi S, et al. Intensive insulin therapy is associated with reduced infectious complications in burn patients. *Surgery*. 2008;144:629-635.
162. Gibson BR, Galiatsatos P, Rabiee A, et al. Intensive insulin therapy confers a similar survival benefit in the burn intensive care unit to the surgical intensive care unit. *Surgery*. 2009;146:922-930.
163. Pidcoke HF, Wolf SE, Loo F, et al. Decreased mortality in burns with improved glucose control. *Burns*. 2007;33(1 Suppl):S33.
164. Fram RY, Cree MG, Wolfe RR, et al. Intensive insulin therapy improves insulin sensitivity and mitochondrial function in severely burned children. *Crit Care Med*. 2010;38:1475-1483.
165. Budny P, Regan P, Roberts A. The estimation of blood loss during burns surgery. *Burns*. 1993;19:134-137.
166. Housinger T, Lang D, Warden G. A prospective study of blood loss with excisional therapy in pediatric burn patients. *J Trauma*. 1993;34:262-263.
167. Sheridan RL, Szyfelbein SK. Trends in blood conservation in burn care. *Burns*. 2001;27:272-276.
168. Szyfelbein SK, Drop LJ, Martyn JAJ. Persistent ionized hypocalcemia in patients during resuscitation and recovery phases of body burns. *Crit Care Med*. 1981;9:454-458.
169. Cote CJ, Drop LJ, Hoaglin DC, Daniels AL, Young ET. Ionized hypocalcemia after fresh frozen plasma administration to thermally injured children: effects of infusion rate, duration and treatment with calcium chloride. *Anesth Analg*. 1988;67:152-160.
170. Sessler DI. Mild perioperative hypothermia. *N Engl J Med*. 1997;336:1730-1737.
171. Martyn JA, Szyfelbein SK. Anesthetic management of the burned patient. In: Martyn JA, ed. *Acute Management of the Burned Patient*. Philadelphia, PA: WB Saunders; 1990:217-230.
172. Lesseva M. Central venous catheter-related bacteremia in burn patients. *Scand J Infect Dis*. 1998;30:585-589.
173. Berenholtz SM, Pronovost PJ, Lipsett PA, et al. Eliminating catheter-related bloodstream infections in the intensive care unit. *Crit Care Med*. 2004; 32:2014-2020.
174. Pronovost P, Needham D, Berenholtz SM, et al. An intervention to decrease catheter-related bloodstream infections in the ICU. *N Engl J Med*. 2006;355:2725-2732.
175. Echevarria-Guanilo ME, Ciofi-Silva CL, Canini SR, Farina JA, Rossi LA. Preventing infections due to intravascular catheters in burn victims. *Expert Rev Anti Infect Ther*. 2009;7:1081-1086.
176. Wahl WL, Arbabi S, Zalewski C, Wang SC, Hemmila MR. Intensive unit core measures improve infectious complications in burn patients. *J Burn Care Res*. 2010;31:190-195.
177. Weber J, McManus A. Infection control in burn patients. *Burns*. 2004;30:A16-A24.
178. Heggors JP, Hawkins H, Edgar P, Villarreal C, Herndon DN. Treatment of infection in burns. In: Herndon DN, ed. *Total Burn Care*. London, UK: Harcourt; 2002:120-169.
179. Greenhalgh DG, Saffle JR, Holmes JH, et al. American Burn Association consensus conference to define sepsis and infection in burns. *J Burn Care Res*. 2007;28:71-75.
180. Hart DW, Wolf SE, Beauford RB, Lal SO, Chinkes DL, Herndon DN. Determinants of blood loss during primary burn excision. *Surgery*. 2001;130:396-402.
181. Sheridan RL, Tompkins RG. Skin substitutes in burns. *Burns*. 1999;25:97-103.
182. Sheridan RL, Tompkins RG. Alternative wound coverings. In: Herndon DN, ed. *Total Burn Care*. London, UK: Harcourt; 2002:212-218.
183. Sheridan R. Closure of the excised burn wound: autografts, semipermanent skin substitutes, and permanent skin substitutes. *Clin Plast Surg*. 2009;36:643-651.
184. Heggors JP, Hawkins H, Edgar P, Villarreal C, Herndon DN. Treatment of infection in burns. In: Herndon DN, ed. *Total Burn Care*. London, UK: Harcourt; 2002:120-169.
185. Chou TD, Gibran NS, Urdahl K, et al. Methemoglobinemia secondary to topical silver nitrate therapy—a case report. *Burns*. 1999;25:549-552.
186. Wright RO, Lewander WJ, Woolf AD. Methemoglobinemia: etiology, pharmacology, and clinical management. *Ann Emerg Med*. 1999;34(5):646-656.
187. Patterson DR, Carrigan KA, Questad KA, Robinson R. Posttraumatic stress disorder in hospitalized patients with burn injuries. *J Burn Care Rehabil*. 1990;11:181-184.
188. Saxe GN, Stoddard F, Hall E, et al. Pathways to PTSD, part 1: children with burns. *Am J Psychiatry*. 2005;162:1299-1304.
189. Perry S, Heidrich G. Management of pain during debridement: a survey of U.S. burn units. *Pain*. 1982;13:267-280.
190. Gaukroger PB, Chapman MJ, Davey RB. Pain control in paediatric burns—the use of patient-controlled analgesia. *Burns*. 1991;17:396-399.
191. Kinsella J, Glavin R, Reid WH. Patient-controlled analgesia for burn patients: a preliminary report. *Burns*. 1988;14:500-503.
192. Rovers J, Knighton J, Neligan P, Peters W. Patient-controlled analgesia in burn patients: a critical review of the literature and case report. *Hosp Pharm*. 1994;29:108-111.
193. Angst MS, Clark D. Opioid-induced hyperalgesia: a qualitative systematic review. *Anesthesiology*. 2006;104:570-587.
194. Faucher LD, Furukawa K. Practice guidelines for the management of pain. *J Burn Care Rehabil*. 2006; 27:659-668.
195. Stoddard FJ, Sheridan RL, Saxe GN, et al. Treatment of pain in acutely burned children. *J Burn Care Rehabil*. 2002;23:135-156.
196. Pal SK, Cortiella J, Herndon D. Adjunctive methods of pain control in burns. *Burns*. 1997;23:404-412.
197. Zor F, Ozturk S, Bilgin F, Isik S, Cosar A. Pain relief during dressing changes of major adult burns: ideal analgesic combination with ketamine. *Burns*. 2010;36:501-505.
198. Walker J, MacCallum M, Fischer C, Kopcha R, Saylor R, McCall J. Sedation using dexmedetomidine in pediatric burn patients. *J Burn Care Res*. 2006;27:206-210.
199. Sheridan R, Stoddard F, Querzoli E. Management of background pain and anxiety in critically burned children requiring protracted mechanical ventilation. *J Burn Care Rehabil*. 2001;22:150-153.